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The Gazette of India

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PUBLISHED BY AUTHORITY



सं० 4] नई दिल्ली, शनिवार, जनवरी 24, 1987 (माघ 4, 1908)
No. 4] NEW DELHI, SATURDAY, JANUARY, 24, 1987 (MAGHA 4, 1908)

इस भाग में निम्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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PATENTS AND DESIGNS

Calcutta, the 24th January 1987

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CORRIGENDA

(1)

In the Gazette of India, Part III, Section-2 dated 4th October, 1986 under the heading "Complete Specification accepted".

At page 635, Column 1, against No. 158254 :—
for Application for Patent No. 752/Del/1980
read 732/Del/80.

(2)

1. In the Gazette of India, Part III Section 2, dated 1st November, 1986 under the heading "Applications for Patents filed in the Patent Office Branch at Todi Estate, IIIrd Floor, Sun Mill Compound, Lower Parel (3) Bombay-13" on page 699.

(i) In respect of Patent Application No. 239/BOM/86 in the title of invention for "SODE" read "SODA".

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

214, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-700 017

The dated shown in crescent brackets are the dates claimed under Section 135, of the Act.

The 18th December, 1986

921/Cal/86. IEL Limited. Improved water-gel or Slurried explosives having incorporated therein a homogeneous dispersion of gasifying agents.

922/Cal/86 Projects & Development India Ltd. A process for preparing improved fertiliser more particularly ammonium nitrate prills/granules calcium ammonium nitrate and multi-neutrient NP/NPK fertiliser/containing ammonium nitrates as a principal source of nitrogen.

923/Cal/86 Projects and Development India Limited. Improvements in or relating to method, or preparing coated urea fertiliser.

924/Cal/86 The Project & Development India Ltd. (Research & Development Division). A process for the preparation of a new modified urea granular product.

925/Cal/86 Trutzschler GMBH & Co. KG. The device for the opening of several fibre bales.

926/Cal/86 1. Amberger Kaolinwerke GMBH. 2. Dynamit Nobel AG. Multistage arrangement for counter-current separation and methods of operating same. [Addition to No. 175/Cal/86].

927/Cal/86 Officine Maccaferri S.P.A. Mattress-Type gabion for producing protective covering structures to be used on soil surfaces subject to erosion.

The 19th December 1986

928/Cal/86 Vital force, INC. A method for preservation and storage of viable biological materials at cryogenic temperatures.

929/Cal/86 Pradip Kumar Rudra. Improvements in or relating to pipe coupling for drainage of liquid from tank wagon of railways.

The 22nd December 1986

930/Cal/86 The Walter and Eliza Hall Institute of Medical Research. A sexual blood stage antigens of plasmodium falciparum. (Convention date 24th December, 1985) Australia.

931/Cal/86 Combustion Engineering, INC. Annular venturi flow measuring device.

932/Cal/86 Merck Patent Gesellschaft Mit Beschränkter Haftung. Coating process using pearlescent pigments.

933/Cal/86 Veb Kombinat Polygraph "Werner Lamberz" Leipzig. Web dispensing and joining apparatus. (16th October, 1986) U.K.

934/Cal/86. Mitsui Toatsu Chemicals, Incorporated. Process for the production of block copolymer of propylene.

935/Cal/86 Siemens Aktiengesellschaft. A disconnecting contact arrangement for switchgear movably arranged on a guide assembly.

936/Cal/86 Georg Fischer Aktiengesellschaft. Process for the after-treatment of molten cast iron.

937/Cal/86 David Godfrey Williams. A valve component for a frictionless guided valve. (21st December, 1985) U.K.

The 23rd December 1986

938/Cal/86 Aclo PTY. LTD. A pneumatic tool.

939/Cal/86 McDermott International, Inc. Process for separating hydrocarbon gas constituents utilizing a fractionator.

940/Cal/86 Power Kinetics, Inc. Concave mirror apparatus and method of construction.

941/Cal/86 McDermott International, Inc. Process for separating hydrocarbon gas constituents.

942/Cal/86 Data Retrieval Corporation. A portable self-powered intelligent data retrieval system.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

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CLASS : 69-I.

158768

Int. Cl. : H 01 h 3/00.

A DRIVE MECHANISM FOR AN ELECTRICAL SWITCH.

Applicant : SIEMENS AKTIENGESellschaft, OF BERLIN AND MUNICH, WEST GERMANY.

Inventor : 1. REINHARD LIEBIG.

Application No. 432/Cal/83 filed April 13, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A drive mechanism for an electrical switch comprising : a first mechanical energy accumulator for storing energy to close the switch, a second mechanical energy accumulator for storing energy to open the switch, a coupling mechanism between the first and second mechanical energy accumulators arranged such that when the first mechanical energy accumulator discharges to close the switch it simultaneously charges the second mechanical energy accumulator, a tripping mechanism for releasing the energy in the second mechanical energy accumulator upon receipt of a trip command, and a latching mechanism for retaining the second mechanical energy accumulator in its charged condition until a trip command is received, there being a first lever pivotable by the first mechanical energy accumulator and coupled to a member which is moved by the lever in a predetermined direction to close the switch when the first mechanical energy accumulator discharges when a switch-closing command is received, and a trip-free mechanism allowing the switch to be opened without interference from a switch-closing command, the trip-free mechanism comprising a hole or recess, in said member, which is elongate substantially in said predetermined direction and which receives a connecting element of said first lever, and a second lever pivotally mounted on said member and which in a normal operating position has a surface which is abutted by said connecting element whereby when the first lever pivots, moving force can be applied by the connecting element of the first lever to said member via said surface of the second lever, the second lever being pivotable into a trip-free position in which said surface is moved away from said connecting element, said connecting element then being free to move along said hole or recess so that moving force is not applied to said member on pivoting of the first lever when the trip-free mechanism is operative.

Compl. Specn. 12 pages.

Drg. 3 sheets.

CLASS : 40-F + 167-E.

158769

Int. Cl. : B 01 d 25/00, 35/00, 46/00.

VIBRATING SCREENING APPARATUS.

Applicant : CLINCH RIVER CORPORATION, OF ROUTE 3, BOX 960, TAZEWELL, VIRGINIA 24651, UNITED STATES OF AMERICA.

Inventor : 1. GREEVER CLARENCE KINDER.

Application No. 472/Cal/83 filed April 22, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

A vibratory screening apparatus particularly adapted for wet-screening of slurry mixtures containing particles and liquids, comprising :

means for feeding adilute slurry mixture of particles and fluid;

a screen deck defining a generally unitary separating surface having a feed end adapted for receiving said dilute slurry mixture and a concentrated slurry mixture and a concentrated slurry mixture thereover, said feed and discharge ends defining there between a vector flow path along which said slurry mixture will flow as it continuously moves from said feed end to said discharge end, said screen deck including downstream from said feed end an initial sieve bend portion and in a subsequent substantially contiguous downstream reaction an inclined screen portion defining a generally planar surface, said sieve bend portion having first longitudinal separating bars fixedly attached with respect to one another and spaced apart relative to said vector flow thereby defining first separating apertures between successive said first bars thereof, said inclined screen portion having second longitudinal separating bars fixedly attached with respect to one another and spaced apart relative to said vector flow thereby defining second separating apertures between successive said second bars, said screen deck positioned relative to said feed means so that said slurry mixture is fed on to said feed end substantially across the entire width thereof and such that said vector flow is generally perpendicular to the longitudinal axes of said first and second separating bars;

means for fixedly mounting said screen deck portions with respect to each other and for mounting said combined screen deck to permit for vibratory movement thereof; and

vibrating means for vibrating said screen deck to effect substantial separation of said liquid from said particles.

Compl. Specn. 35 pages.

Drg. 5 sheets.

CLASS : 187-C3.

158770

Int. Cl. H 04 j 1/00.

DIGITAL SWITCHING NETWORK FOR TELECOMMUNICATIONS EXCHANGE.

Applicant : THE PLESSEY COMPANY plc., OF VICARAGE LANE, ILFORD, ESSEX ENGLAND.

Inventors : 1. THOMAS SLADE MADDERN, 2. JOHN WILLIAM ANSELL, 3. ALEXANDER SCHREDER PHILIP.

Application No. 491/Cal/83 filed April 23, 1983.

Convention dated 24th April, 1982 (11924/1982) U. K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A digital telecommunications exchange handling information samples in time division multiplex form carried by incoming and outgoing junction paths, the exchange comprising a receive interface for each incoming junction path and a transmit interface for each outgoing junction path and first and second time division multiples switch networks each network being controlled by a common control system to provide identical selectable connections in each network between any one of the receive interfaces and any one of the transmit interfaces on a time division multiplex basis, and each receive interface includes error code generating means arranged to generate an error indicating code for each information sample received and information sample and check code insertion means arranged to pass to one of the switching networks the information sample and to the other switching network the error indicating code and each transmit interface includes error detection arranged to compare the received error indicating code with the received speech sample to detect errors in the received information samples.

Compl. Specn. 15 pages.

Drg. 3 sheets.

CLASS : 69-I.

158771

2 Claims

Int. Cl. H 01 h 73/06.

ENCLOSED SWITCHBOARD WITH ALL PROOF GROUNDING OPERATION.

Applicant : KABUSHIKI KAISHA MEIDENSHA, OF 1-17, OHASAKI 2-CHOME, SHINAGAWA-KU, TOKYO, JAPAN.

Inventors : 1. TOSHITARO TAMAMOTO, 2. TOSHIRO TAKAGI, 3. YOSHINOBU KIHARA.

Application No. 529/Cal/83 filed May 2, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

An enclosed switchboard with all proof grounding operation housing a truck-type circuit breaker, and a grounding switch device comprising a grounding operation handle, movable grounding blades engaged with or disengaged from fixed grounding blades connected to bus bars arranged within the enclosed switchboard and a connecting rod pivotably connected between the grounding operation handle and the movable grounding blades, said enclosed switchboard comprising :

(a) first locking member (26) one end of which is pivotably connected to said grounding operation handle, said first locking member being moved to and from when said grounding operation handle is moved to open or close said grounding switch device through said connecting rod; and

(b) locking means for locking the motion of said first locking member to disable said grounding switch device when the truck-type circuit breaker is carried within the enclosed switchboard, for unlocking the motion of said first locking member to enable said grounding switch device when the truck-type circuit breaker is not carried within the enclosed switchboard, and further for inhibiting the truck-type circuit breaker from being carried within the enclosed switchboard when said grounding operation handle has been moved to a position where said grounding switch section is closed to ground the bus bars.

Compl. Specn. 17 pages.

Drg. 2 sheets.

CLASS : 195-G.

158772

Int. Cl. : F 16 k 31/44.

IMPROVEMENT IN HYDRAULIC DIRECTIONAL CONTROL VALVES.

Applicant : MOSKOVSKY ZAVOD TRAKTORNYKH GIDROAGREGATOV, ULITSA BOROVAYA, 7, MOSCOW, USSR.

Inventors : 1. GALINA ALEXEEVNA GORDINA, 2. YAN VLADIMIROVICH EPSHTEIN, 3. EVGENY ALEXEEVICH BARANOV, 4. GRIGORY MIRONOVICH KLEIMAN, 5. VLADIMIR PROKOFIEVICH BALAKIREV, 6. ALEXANDR BORISOVICH KLEBANOV, 7. VLADIMIR VLADISLAVOVICH YANITSKY, 8. OLEG MIKHAILOVICH BRANOV, 9. JURY SEMENOVICH NISTRATOV, 10. VASILY SERGEEVICH BIKIN, 11. ADOLF NIKOLAEVICH GUSEV, 12. PETER FEDOROVICH SHYRYGIN, 13. JURY ALEXANDROVICH SCHENNIKOV, 14. VLADIMIR VIKTOROVICH KIU-CHNIKOV, 15. ISRAFIL RAGIM OGILY KYARIMOV.

Application No. 541/Cal/83 filed May 3, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

An improvement relating to a hydraulic directional control valve having a casing with at least one cylindrical bore in which is installed an axially movable spool having collars and grooves there between, a delivery line having one end communicating with the cylindrical bore and the other end connectible with a pump supplying fluid from a fluid source, a discharge line having one end connectible to the fluid source and the other end communicating with the delivery line through an over-flow valve which is installed in the casing in such a manner that its valve member shuts-off with its conical portion an aperture connecting the discharge line to the delivery line and its cylindrical portion defines with the casing walls a valve chamber which communicates via a throttling orifice, with the delivery line, via a first passage, with the discharge line, via a second passage, with a pressure relief valve, and a mechanism for returning the spool back to the "Neutral" position installed axially within the spool and having a housing accommodating a means dividing the housing into two communicating chambers of which one chamber, which communicates with the delivery line, accommodates a spring-biased plunger, and the other chamber accommodates a booster co-operating with a mechanism for retaining the spool in the "Lift" or "Lower" position, said means comprising a partition wall with an aperture for connecting the chambers to one another, the axis of the aperture being aligned with the plunger axis, and the plunger having a cylindrical collar dividing the chamber into two spaces of which one space communicates with the delivery line and the other space, which accommodates the spring, communicates with the other surface of the spool through a passage in the spool body, the outlet opening of the passage communicating with the discharge line when the spool is in the "Lower" position, and when the spool is in the "Lift" position, the outlet opening of the passage communicating with the first passage.

Compl. Specn. 16 pages.

Drg. 2 sheets.

CLASS : 15-C & D.

158773

Int. Cl. F 16 c 32/00.

A FLOATING BEARING DEVICE FOR HIGH SPEED ROTATING MACHINERY.

Applicant : ROTO-MASTER, INC., OF 7101 FAIR AVENUE NORTH HOLLYWOOD CALIFORNIA 91605, U.S.A.

Inventors : 1. HUGH MACINNES, 2. ANDREW ERIC JOHNSTON.

Application No. 550/Cal/83 filed May 4, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A floating bearing device for a rotatable shaft means, comprising a floating bearing body that has a radial flange and is disposed within a housing and which is supplied with liquid lubricant that flows between said shaft means and said bearing body, and including retaining means acting between said housing and said bearing flange to restrain axial movement of said bearing body within said housing, characterized by a spring washer interposed between said bearing flange and said retaining means so that said retaining means acts upon said spring washer at a radial displacement from said bearing flange.

Compl. Specn. 13 pages.

Drg. 1 sheet.

CLASS : F-1, 2 (a); 55-D₂.

158774

Int. Cl. : AO1 n 9/00, CO7 c 79/00.

A PROCESS FOR THE PREPARATION OF DIPHENYL ETHER COMPOUNDS.

Applicant : MITSUI TOATSU CHEMICALS, INC., OF 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. TAKEO YOSHIMOTO, 2. AKIRA HOSONO, 3. JOH MIKI, 4. KENGO ODA, 5. MASA-AKI URA, 6. NAOKI SATO, 7. TERUHIKO TOYAMA, 8. HAJIME TACHIBANA, 9. YUJI ENOMOTO, 10. YASUNOBU FUNAKOSHI, 11. TAKASHI FUJITA, 12. YOSHIKATA HOJO.

Application No. 586/Cal/83 filed May 10, 1983.

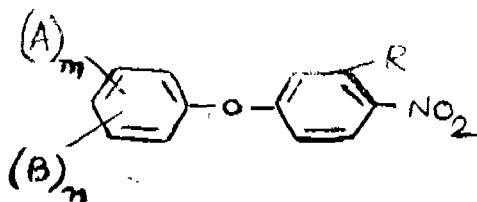
Convention dated 5th November, 1979 (GB 2 038 319 B) U. K.

Division of Application No. 497/Cal/80 dated 29th April, 1980.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

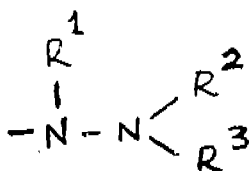
2 Claims

A process for the preparation of a diphenyl ether compound represented by the general formula 1 shown in the accompanying drawings,



wherein

- (1) A and B each stand for a halogen atom, a lower alkyl group or a halogen-substituted lower alkyl group;
- (2) m and n each stand for an integer of 0~3, and $m+n = 0\sim3$; and
- (3) R stands for a group of the formula II shown in the drawings,



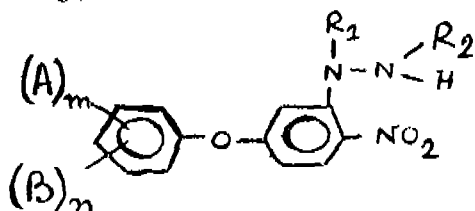
wherein

(a) R^1 represents hydrogen atom, an alkyl group, a lower alkenyl group, or an alkynyl group,

(b) R^2 represents hydrogen atom, a lower alkyl group,

(c) R^3 represents $\begin{matrix} R \\ | \\ -C- \end{matrix}$

(d) R^4 represents an alkyl group, a lower alkenyl group, unsubstituted phenyl group, a substituted phenyl group, benzyl group, a halogen-substituted lower alkyl group, a substituted-phenoxy, substituted lower alkyl group, an unsubstituted-phenoxy, substituted lower alkyl group, a lower alkoxy-substituted lower alkyl group, a carboxy-substituted alkyl group, a lower alkoxy-carbonyl group, an alkoxy-carbonyl-substituted alkyl group, a carboxy-substituted lower alkenyl group, an alkoxy-carbonyl substituted lower alkenyl group, which comprises reacting in a known manner a diphenyl ether compound of the general formula I' shown in the drawings,



wherein A, B, m, n, R_1 and R_2 are as defined above with an acid anhydride of general formula R_3COCl wherein R_3 is as defined above, in the presence of a known organic solvent, at temperature between 10 to 90°C for 1 to 9 hours.

Compl. Specn. 34 pages.

Drg. 3 sheets.

CLASS : 32-F₁, (a); 55-D.

158775

Int. Cl. C 07 c 15/14, 43/00, 79/00, A 01 n 9/00.

A PROCESS FOR THE PREPARATION OF A NOVEL HERBICIDALLY ACTIVE 3-HYDRAZINO-4-NITRO-DIPHENYL ETHER COMPOUND.

Applicant : MITSUI TOATSU CHEMICALS, INC., OF 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. TAKEO YOSHIMOTO, 2. AKIRA HOSONO, 3. JOH MIKI, 4. KENGO ODA, 5. MASA-AKI URA, 6. NAOKI SATO, 7. TERUHIKO TOYAMA, 8. HAJIME TACHIBANA, 9. YUJI ENOMOTO, 10. YASUNOBU FUNAKOSHI, 11. TAKASHI FUJITA, 12. YOSHIKATA HOJO.

Application No. 588/Cal/83 filed May 10, 1983.

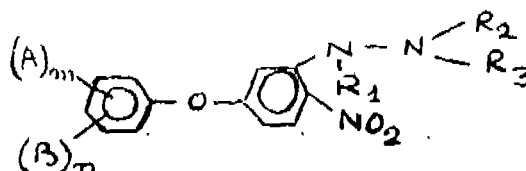
Convention dated 5th November, 1979 (GB 2 038 319 B) U. K.

Division of Application No. 497/Cal/80 dated 29th April, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

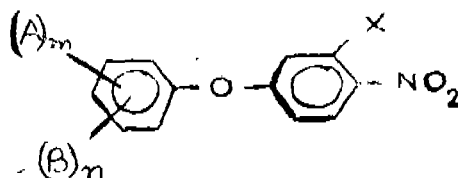
2 Claims

A process for the preparation of a 3-hydrazino-4-nitrodiphenyl ether compound represented by the general formula I as shown in the accompanying drawings,

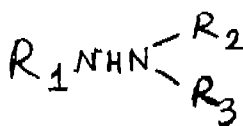


wherein

- (1) A and B each stand for a halogen atom, methyl or trifluoromethyl group;
- (2) m and n each stand for an integer of 0~3, and $m+n = 0\sim3$;
- (3) R^1 represents hydrogen atom, an alkyl group, a lower alkenyl group, an alkynyl group, an unsubstituted phenyl group, a halogen-substituted phenyl group;
- (4) R^2 and R^3 each represent hydrogen atom, an alkyl group, a lower alkenyl group, a cycloalkyl group, a phenyl group, a lower alkenyl group, a cycloalkyl group, a phenyl group, which comprises reacting in a known manner a compound of the general formula II as shown in the drawings,



with the hydrazine of the general formula III as shown in the drawings,



wherein X stands for a halogen atom, and A, B, m, n, R₁, R₂ and R₃ are as defined above.

Compl. Specn. 19 pages.

Drg. 2 sheets.

CLASS : 32-F₁, 2, (a); 55-D₂.

158776

Int. Cl. : A 01 n 9/00, C 07 c 43/00, 79/00.

A PROCESS FOR THE PREPARATION OF A NOVEL HERBICIDALLY ACTIVE 3-HYDRAZINO-4-NITRO-DIPHENYL ETHER COMPOUNDS.

Applicant : MITSUI TOATSU CHEMICALS, INC., OF 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. TAKEO YOSHIMOTO, 2. AKIRA HOSONO, 3. JOH MIKI, 4. KENGO ODA, 5. MASA-AKI URA, 6. NAOKI SATO, 7. TERUHIKO TOYAMA, 8. HAJIME TACHIBANA, 9. YUJI ENOMOTO, 10. YASUNOBU FUNAKOSHI, 11. TAKASHI FUJITA, 12. YOSHIKATA HOJO.

Application No. 589/Cal/83 filed May 10, 1983.

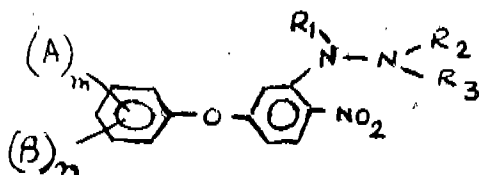
Convention dated 5th November, 1979 (GB 2 038 319 B) U. K.

Division of Application No. 497/Cal/80 dated 29th April, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

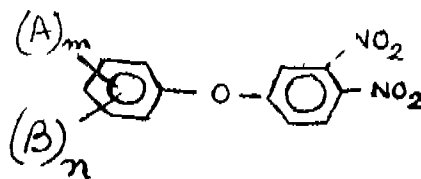
A process for the preparation of a 3-hydrazino-4-nitro-diphenyl ether compounds represented by the general formula I as shown in the accompanying drawings,



wherein

- (1) A and B each stand for a halogen atom, methyl or trifluoromethyl group;
- (2) m and n each stand for an integer of 0 ~ 3, and m + n = 0 ~ 3;
- (3) R¹ represents hydrogen atom, an alkyl group, a lower alkenyl group, an alkynyl group, an unsubstituted phenyl group, a halogen substituted phenyl group;
- (4) R¹ and R² each represent hydrogen atom, an alkyl group, a lower alkenyl group, a cycloalkyl group, a phenyl group;

which comprises reacting in a known manner a compound of the general formula II as shown in the drawings,



with the hydrazine of the general formula III as shown in the drawings,



wherein A, B, m, n, R₁, R₂ and R₃ are as defined above.

Compl. Specn. 19 pages.

Drg. 2 sheets.

CLASS : 32-F₁, 2, (a); 55-D₂.

158777

Int. Cl. : A 01 n 9/00, C 07 c 9/00, 15/14, 43/00.

A PROCESS FOR THE PREPARATION OF A NOVEL HERBICIDALLY ACTIVE 3-HYDRAZINO-4-NITRO-DIPHENYL ETHER COMPOUND.

Applicant : MITSUI TOATSU CHEMICALS, INC., OF 2-5, KASUMIGASEKI 3-CHOME, CHIYODAKU, TOKYO, JAPAN.

Inventors : 1. TAKEO YOSHIMOTO, 2. AKIRA HOSONO, 3. JOH MIKI, 4. KENGO ODA, 5. MASA-AKIURA, 6. NAOKI SATO, 7. TERUMIKO TOYAMA, 8. HAJIME TACHIBANA, 9. YUJI ENOMOTO, 10. YASUNOBU FUNAKOSHI, 11. TAKASHI FUJITA, 12. YOSHIKATA HOJO.

Application No. 590/Cal/83 filed May 10, 1983.

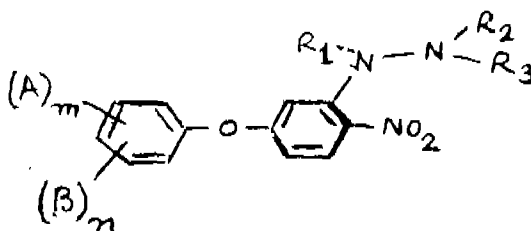
Convention dated 5th November, 1979 (GB 2 038 319 B) U. K.

Division of Application No. 497/Cal/80 dated 29th April, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

2 Claims

A process for the preparation of diphenyl ether compounds represented by the general formula I as shown in the accompanying drawings,

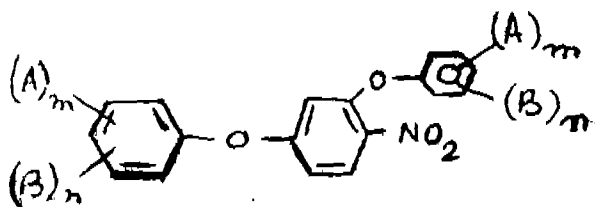


Wherein

- (1) A and B each stand for a halogen atom, methyl or trifluoromethyl group;
- (2) m and n each stand for an integer of 0 ~ 3, and m + n = 0 ~ 3; and
- (3) R¹ represents hydrogen atom, an alkyl group, a lower alkenyl group, an alkynyl group, an unsubstituted phenyl group, a halogen substituted phenyl group;

- (4) R^3 and R^4 each represent hydrogen atom, an alkyl group, a lower alkenyl group, a cycloalkyl group, a phenyl group;

which comprises reacting in a known manner a compound of the general formula II as shown in the drawings.



with the hydrazine of the general formula III as shown in the drawings.



wherein A, B, m, n, R_1 , R_2 and R_3 are as defined above.
Compl. Specn. 18 pages. Drg. 2 sheets.

CLASS : 32F**b**.

Int. Cl. : C07b—13/02 C07c—143/90.

A METHOD FOR SULPHONATION OF FATTY ACID ESTERS.

Applicant : HINDUSTAN LEVER LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913 AND HAVING ITS REGISTERED OFFICE AT HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventor : VINOD KUMAR RAMNIRANJAN DHANUKA.

Application No. : 362/Bom/1983 filed on Nov. 15, 1983
Comp. after Prov. left on Jan. 22, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office, Bombay Branch.

7 claims

A method for the sulphonation of fatty acid esters of formula $R-CH_2COOR^1$ where an R is an alkyl group with a chain length of C_6-C_{22} and must be substantially saturated and R^1 is a C_1-C_4 alkyl group in which the ester is contracted with SO_3 /inert carrier gas mixture, a sulphonation agent characterised in that the sulphonation is performed in the presence of a Lewis acid.

Prov. Specn. 7 pages. Drg. nil.

Comp. Specn. 7 pages. Drg. nil.

CLASS : 170 B+D.

158779

Int. Cl. : C 11 d 1/86, 3/04, 3/12, 3/16.

A PARTICULATE SOLID DETERGENT COMPOSITION.

Applicants : HINDUSTAN LEVER LTD., 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : JAMES FRANCES DAVIES, (2) ANDREW TIMOTHY HIGHT & (3) ROBERT STANLEY LEE.

Application No. 389/Bom/1983 filed Dec 12, 1983.

U.K. Convention date Dec. 17, 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office, Bombay Branch.

6 claims

A particulate solid detergent composition comprising :

- (i) 2% to 30% by weight of a non-soap detergent active material selected from anionic, nonionic zwitterionic and amphoteric synthetic detergent active materials, and mixtures thereof.
- (ii) upto 80% by weight of an alkaline material, the nature and amount of which are capable of providing the composition with a pH of more than 8.0, when added to water of 12° French hardness (Ca) at 25°C and at a concentration of 1.0 g/l; and
- (iii) 10% to 70% by weight of a builder material, which is a saturated fatty acid which contains at least 16 carbon atoms, the fatty acid being provided as one constituent of builder particles having a particle size of between 50 microns and 5000 microns and comprising a heterogeneous mixture of, based on the weight of the particles,
 - (a) from 20% to 95% of said fatty acid, and
 - (b) 5% to 80% of a water-soluble or water-dispersible carrier material therefor, which builder material may optionally contain a known dispersant in solid solutions with said fatty acid.

Compl. Specn. 31 pages. Drgs. nil.

Class : 32F**b** & F**2b**, 55E**4**.

158780

Int. Cl. : C07d—49/00, A61K—27/00.

A PROCESS FOR THE PREPARATION OF BENZIMIDAZOLE CARBAMATES HAVING PHARMACOLOGICAL PROPERTIES.

Applicants : HINDUSTAN CIBA-GEIGY LIMITED, 14, TATA ROAD, BOMBAY-400 020, MAHARASHTRA, INDIA. AN INDIAN SUBSIDIARY OF THE SWISS COMPANY CIBA-GEIGY LIMITED, BASLE, SWITZERLAND.

Inventors : SRINIVASACHARI RAJAPPA AND NARAYANA IYER VISWANATHAN.

Application No. 19/Bom/1984 filed on 20th Jan. 1984.

Complete after provisional left on 18th Jan. 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office, Bombay Branch.

2 claims

A process for the preparation of benzimidazolecarbamate of the formula I shown in the drawings accompanying the provisional specification, in which R is an unsubstituted or optionally substituted hydrocarbon radical or aliphatic, cycloaliphatic-aliphatic or aromatic character or heterocyclic radical of aromatic character, X is -S- or -o-Y-O- group, wherein Y represents an alkylene radical containing two to six carbon atoms unsubstituted or substituted by hydroxy or acyloxy groups, the rings A and B being unsubstituted or optionally substituted by substituents such as herein described, and their tautomeric compounds and salts, which process comprises refluxing together in methanol containing p-toluene sulphonic acid under stirring a bis-phenylenetetramine derivative of the formula II shown in the drawings accompanying the provisional specification, in which X, A and B are as defined under formula I, or a salt thereof such as hydrochloride or sulfate, and a compound of the formula III shown in the drawings accompanying the provisional specification, in which R_1 is hydrogen or the COOR group wherein R is as defined above, R_2 is the cyano group or R_2 and R_3 taken together are a disubstituted methylene group of formula shown in Fig. 1 of the drawings accompanying the provisional specification, in which R_1 is an alkylthio group and R_2 is an alkylthio group, an amino group or the NHCOOR group, wherein R is as defined above and if desired converting the resulting product into its salt in known manner.

Prov. Specn. 24 pages. Drgs. 3 sheets.

Comp. Specn. 21 pages. Drgs. nil.

CLASS : 65B.

158781

Int. Cl. : H01F, 27/00.

IMPROVED BREATHING FOR TRANSFORMERS.

Applicants & Inventors : 1. MRS. MANGALA MADHUKAR CHAUDHURI, 2. MR. MADHUKAR GANGARAM CHAUDHURI 11, SHREE KALIKA HOUSING SOCIETY, OLD AGRA ROAD, NEAR VIP HOTEL, NASIK 400 002, MAHARASHTRA, INDIA BOTH INDIAN NATIONALS.

Application No. 34/BOM/1984 filed on 7th Feb. 1984 complete after provisional left on 12th December, 1984.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office, Bombay Branch.

7 claims

An improved breather for transformer and for like other dielectric oil immersed electric apparatus, as a special air filter, comprising of a silica gel pot 2 which is housed in a metallic cylinder, the said silica gel pot 2 is provided with wire mesh 13 screen at the top and bottom for the air to go through the silica gel for its colour, the said silica gel pot 2 is provided is provided with a sight glass 3 for inspection of the said silica gel for its colour, the said silica gel pot 2 is provided inside with moisture sensor plate 15 to sense the moisture in the silica gel and has grooves outside its periphery to accommodate heating coils 14 the said metallic cylinder 1 is provided in side with an electronic circuit 18 with a relay 20 connectable to a supply source 22 to operate the said heating coils; 14 the said metallic cylinder 1 is provided with a hole 5 at the bottom for the entrance of the atmospheric air and having an oil seal 16 below the said silica gel pot 2 which operate on the principle of communicating vessels; which prevents the silica gel from being continuously in contact with the atmospheric air, the said metallic cylinder 1 being provided with a sight glass 7 to check the level of the oil and further provided with a plug 8 to serve for filling the oil seal with transformer oil, the said silica gel pot 2 together with the said metallic cylinder 1 forming the breather body is connected to the conservator tank of the transformer or to like other dielectric oil immersed electric apparatus by a pipe P.

Prov. Specn. 6 pages, Drgs. 4 sheets.

Comp. Specn. 9 pages, Drgs. nil.

CLASS : 68D; 133B.

158782

Int. Cl. : H02H—7/00.

ELECTRONIC DEVICE FOR PROTECTION OF INDUCTION TYPE ELECTRIC MOTOR AND THE LIKE.

Applicants : ANANT BALWANT MARATHE, OF MARATHE RESEARCH FOUNDATION, MANE BLDG., SHRI GOVINDRAOJI MARATHE MARG, MIRAJ—416, 410 MAHARASHTRA, INDIA.

Inventor : BALKRISHNA SADASHIV BAPAT.

Application No. : 48/Bom/1984 filed Feb. 24, 1984.

Complete after provisional filed on May 16, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office, Bombay Branch.

4 claims

An electronic device for protection of induction type electric motor and the like comprising a combination of one potential transformer, 2 CT's (Current Transformers) for sensing motor current, one electro-magnetic relay, and drive circuits with sensor circuits having a potentiometer for current setting, a time delay circuit to avoid tripping while starting due to surge current, indicating lamp and fuse connected in the manner shown in Fig. 2 of the drawings accompanying the complete specification wherein the input power from said potential transformer is stepped down and rectified to get 24 volt DC supply by Zener diodes Z-1 and Z-2 to supply regulated voltage to the relay drive amplifier circuit of the said

electro-magnetic relay; the linear variation in terms of voltage appearing on the secondary of the current transformer sensed according to the primary current being rectified and fed to the IC amplifier inputs which has a sensor circuit connected to it and the said IC circuit on comparing the said linear variation voltage with reference voltage in sensor circuit drives the relay circuit in case the motor current exceeds the pre-set value set by said potentiometer, the arrangement being such that when the said device is connected in the circuit of an electric motor and a motor starter, an initial time delay of 30 seconds for operation of the said relay takes place to avoid tripping while starting and after said time delay the relay circuit continuously senses and monitors the load on the motor and as soon as the overload/under voltage/single phasing condition or voltage variation/fluctuation exceeds the pre-set value the said relay trips the starter in less than 2 seconds.

Comp. Specn. 9 pages, Drgs. 2 sheets.

Prov. Specn. 4 pages, Drg. 1 sheet.

CLASS : 195C.

158783

Int. Cl. : F 16 K 1/00.

SEGMENTED BALL BUTTERFLY VALVE.

Application & Inventor : PYNADATH THOMAS JOY. INDIAN NATIONAL, MAROL ANDHERI (EAST), BOMBAY-400 059, MAHARASHTRA, INDIA.

Application No. 54/BOM/1984, filed on 5th March, 1984.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office, Bombay Branch.

4 claims

A segmented ball butterfly valve comprising a body flange having a through hole through which the fluid can be transmitted across the valve; segmented ball is mounted across the said hole which can be rotated across the face of the said hole for controlling the flow of fluid across the valve through the said hole a stem rigidly connected within the said segmented ball for rotating the said segmented ball; sealing rings being provided at one or both faces of the body flange gland and gland packing being provided around the stem and seal holding rings for holding the sealing rings in place between the body flange and the segmented ball.

Compl. specn. 5 pages, Drgs. 2 sheets.

CLASS : 182 C.

158784

Int. Cl. : C08 b 29/00.

PROCESSING OF POLYSACCHARIDES.

Applicant : HINDUSTAN LEVER LIMITED, OF HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT 1913.

Inventors : BARRY VINCENT MCCLEARY, PETER CRITCHLEY & PAUL VICTOR BULPIN.

Application No. 58/Bom/1984 filed on March 7, 1984

U. K. priority date March 11, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office, Bombay Branch.

7 Claims.

A process for treating a galactomannan with a main chain of 1-4 linked beta-D-mannopyranosyl units to which alpha-D-galactopyranosyl units are attached containing from 20 to 50, preferably from 35 to 45, percent by weight of galactose to obtain a galactomannan having reduced galactose content wherein a hydrated preparation containing 2 to 70 percent by weight of galactomannan is incubated with a substantially specific alpha galactosidase enzyme preparation.

Compl. specn 22 pages, Drgs. nil.

CLASS : 11C.

158785

Int. Cl. : A23K—1/00.

A PROCESS FOR THE PREPARATION OF GROUND-NUT CAKE SUITABLE AS A COMPONENT FOR ANIMAL FOODSTUFF.

Applicants : HINDUSTAN LEVER LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT 1913, OF 165-166 BACKBAY RECLAMATION, HINDUSTAN LEVER HOUSE, BOMBAY-20 MAHARASHTRA, INDIA.

Inventors : RAJESH KUMAR LAL, GURUDUTT PANDURANG KALLE,

Application No. 59/Bom/1984 filed on 9th March, 1984.

Complete after provisional left on 4th March, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

11 claims

A process for the preparation of groundnut cake having aflatoxin within permissible limits suitable as a component for animal foodstuff from groundnut cake having high aflatoxin which comprises subjecting the said groundnut cake having high level aflatoxin to a step of comminution to reduce the particles size of the cake and to render large surface area of the particles open for ammoniation, said step of comminution being carried out to provide groundnut cake having particles of size not above 2.5mm subjecting the said comminuted particles to a step of moisturisation so as to ensure that the resultant mass has water content of upto 10 to 15% by weight of the cake followed by contacting said comminuted moist groundnut cake with an ammoniating agent at a temperature in the range of 80 to 95°C and thereafter recovering the groundnut cake so treated, as product.

Prov. Specn. 7 pages. Drg. 1 sheet.

Comp. Specn. 9 pages. Drg. nil.

CLASS : 32 F3a+55 E1.

158786

Int. Cl. : C01 C47/52.

AN IMPROVED PROCESS FOR THE MANUFACTURE OF 3, 4, 5-TRIMETHOXYBENZAL-DEHYDE.

Applicants : HINDUSTAN LEVER LIMITED, OF HINDUSTAN LEVER HOUSE, 165-166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventor : MAYARA EASWARAN NARAYANAN NAMBUDIRY.

Application No. 63/Bom/1984 filed Mar. 13, 1984.

Complete after provisional left on March 4th 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

8 claims

An improved process for the manufacture of 3, 4, 5-trimethoxybenzaldehyde from 3, 4, 5-trimethoxybenzoylchloride which comprises reduction of said 3, 4, 5-trimethoxybenzoylchloride in the presence of an organic solvent and a reduction catalyst characterised in that the said reaction is carried out at temperatures in the range of 70° to 120°C in the presence

of aromatic ether solvent of formula A (OR)_n wherein A is a phenyl group substituted with alkoxy groups-OR, R being methyl or ethyl and n being 1, 2 or 3 and wherein the said phenyl group is optionally substituted by alkyl radical such as methyl or ethyl group.

Compl. specn. 8 pages. Drgs. nil.

Provisional specification 5 pages, Drgs. nil.

CLASS : 111.

158787

Int. Cl. : B 31 — 1/02.

A METHOD FOR THE MANUFACTURE OF A NON-REUSABLE PRESSURE RESPONSIVE PRINTED SELF ADHESIVE LABEL CAPABLE OF IRREPARABLY BREAKING IN A PREDETERMINED PATTERN ON BEING PEELLED OFF FROM A STRUCK SURFACE AND SUCH A LABEL OBTAINED THEREBY.

Applicants : JOHNSON & JOHNSON LIMITED, OF SPENCER'S BUILDING, 30 FORJETT STREET, BOMBAY-400036 MAHARASHTRA, INDIA.

Inventor : DR. PRAPHULLA KUMAR MANNA.

Application No. : 166/BOM/1984 filed June 2, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

9 claims

A method for the manufacture of a non-reusable pressure responsive printed self adhesive label capable of irreparably breaking in a predetermined pattern on being peeled off from a struck surface said method comprising :

- (i) slitting a flexible, transparent and durable film having a thickness of .025 mm to 0.075 mm and being made of a flexible, transparent and durable material such as polyester, polypropylene or polyvinylchloride, into desired size to form a substrate or backing material;
- (ii) coating one side of said substrate or backing material in a predetermined pattern using a release coat composition comprising cellulose acetate butyrate and vinyl acetate-vinyl chloride-maleic anhydride terpolymer and acetone-toluene mixture and drying said substrate or backing material at 50° to 70°C;
- (iii) coating said one side of said substrate or backing material using a print primer coat composition comprising polyester resin, acetone, toluene and "cellosolve" (mono and dialkyl ether of ethylene glycols) and drying said substrate or backing material at 50°C to 70°C;
- (iv) printing said one side of said substrate or backing material with the desired matter and drying said substrate or backing material at 50°C to 70°C;
- (v) laminating said one side of said substrate or backing material with a pressure responsive adhesive layer comprising pale crepe rubber, zinc diethyldithiocarbonate, disproportioned resin, bakelite resin and toluene, said adhesive layer being sandwiched between two differential release silicone coated papers namely a low release silicone coated paper having an average release value of 70 to 80 gms/2.5 cm and a high release silicone coated paper having an average release value of 10 to 15 gms/2.5 cm said high release silicone coated paper being removed while said one side of said substrate or backing material is being laminated with said adhesive layer, said low release silicone coated paper acting as the liner; and
- (vi) cutting said substrate or backing material into labels.

Comp. Specn. 17 pages. Drgs. 4 sheets.

CLASS : 195-C.

158788

CLASS : 65-B₂.

158790

Int. Cl. F 16 k 31/00.

VALVE ACTUATORS.

Applicant : ROTORK CONTROLS LIMITED, OF ROTORK HOUSE, BRASSMILL LANE BATH BAL 31Q, ENGLAND.

Inventor : 1. JEREMY JOSEPH FRY.

Application No. 597/Cal/83 filed May 12, 1983.

Convention dated 12th May, 1982 (82/13744) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 claims

A valve actuator comprising an output shaft drivingly connectable to a valve, a motor for driving the output shaft, reduction gearing through which the output shaft is driven by the motor, manual operating means for driving the output shaft manually, a drive transfer device for transferring the drive for the output shaft from the motor to the manual operating means, and a manual operator for actuating the drive transfer device, wherein a control device is arranged to be operated by the initial movement of the manual operator to cause the motor if rotating to be brought to a stop, continued movement of the manual operator causing the drive transfer device to disengage the drive from the motor and to engage the manual operating means.

Compl. Specn. 15 pages. Drgs. 2 sheets.

CLASS : 65-A₁.

158789

Int. Cl. G 05 f 1/00.

INSTALLATION FOR A CONTINUOUSLY VARIABLE CONTROL OF THE AMPLITUDE OF A SINUSOIDAL ELECTRICAL ALTERNATING CURRENT.

Applicant : ELPATRONIC AG., OF BAARERSTRASSE 117, 6300 ZUG, SWITZERLAND.

Inventor : 1. PAUL OPPRECHT.

Application No. 645/Cal/83 filed May 24, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 claims

Installation for continuously variable control of the amplitude of an essentially sinusoidal electrical alternating current flowing in a circuit with a final control element lying in the circuit and means for actuating the final control element, characterized in that the final control element (17, 23) comprises a parallel connection of a first and a second current branch (1, 3) with an inductive resistance (2) in the first current branch (1) and a controllable switching member (4, 5; 27, 28) withchable into an off-state and an on-state in the second current branch (3), the switching member forming a resistance lying in the second current branch and amounting in the off-state of the switching member to a multiple of the inductive resistance (2), the inductive resistance (2) amounting to a multiple of the resistance formed by the switching member (4, 5; 27, 28) in the on-state, and the means for actuating the final control element comprise controlling means (8, 23) for switching the switching member in each half-wave of the alternating current over a variable and by the controlling means controllable part of the half-wave from the off-state into the on-state.

Compl. Specn. 53 pages. Drgs. 2 sheets.

Int. Cl. H 01 f 41/00.

TRANSPPOSED ASSEMBLY OF ELECTRICALLY CONDUCTIVE SHEETS AND METHOD OF MAKING SAME.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : 1. CHARLES EUGENE HENDERSON, 2. ROBERT DANIEL MORRIS, 3. WILLIAM JOSEPH MATZEL.

Application No. 660/Cal/83 filed May 25, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A transposed assembly of electrically conductive sheets, comprising :

at least three sheets, each having opposite sides, opposite edges, and opposite ends;

each sheet having at least two spaced notches extending from at least one edge of each sheet at predetermined

angles thereto;

the sheets being superposed together in surface-to-surface abutment with predetermined sheet portions being transposed between aligned, interfitted notches; and

electrically insulative material between the abutting surfaces of the sheets and on the edge portion forming the notches.

Compl. Specn. 13 pages.

Drg. 2 sheets.

CLASS : 54 & 185-E.

158791

Int. Cl. : A 23 f 3/02.

A PROCESS FOR THE PRODUCTION OF COLD SOLUBLE POWDERED TEA EXTRACT.

Applicant : SOCIETE DES PRODUITS NESTLE S.A. P.O. BOX 353, 1800 VEVEY, SWITZERLAND.

Inventors : 1. TITO LIVIO LUNDER, 2. CORINE MADELEINE NIELSEN.

Application No. 674/Cal/83 filed May 28, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for the production of a cold soluble powdered tea extract characterised in that a hot soluble powdered tea extract is treated with a mixture of from 25% to 65% by weight of a carboxylic acid of the type herein described and from 15% to 65% by weight of a carboxylic acid salt of the type herein described based on the weight of the hot soluble powdered tea extract wherein the proportion of the carboxylic acid to the carboxylic acid salt is from 0.5 to 2.5 part by weight of acid per part by weight of salt; the resulting mix is then wetted as herein described with deionised water after optionally adding thereto a wetting aid in an amount from 10 to 60 parts by weight of the hot soluble powdered tea extract to form a homogeneous paste which is then dried and ground to the desired particle size.

Compl. Specn. 8 pages.

Drg. Nil.

CLASS : 190-B & D.

158792

Int. Cl. F 03 d 7/00.

BLADE FEATHERING SYSTEM FOR WIND TURBINES.

Applicant : UNITED TECHNOLOGIES CORPORATION,
1 FINANCIAL PLAZA HARTFORD, CONNECTICUT
06101, UNITED STATES OF AMERICA.

Inventors : 1. KERMIT IVAN HARNER, 2. JOHN
PETER PATRICK 3. KENNETH FRANKLYN VOSSE-
LER.

Application No. 700/Cal/83 filed June 2, 1983.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

In a blade feathering system for a wind turbine comprising
at least one variable pitch blade movable to feathered
position and an hydraulic feather actuator adapted to
control the featherin of said blade, the improvement charac-
terized by :

a pair of flow controllers communicating with said drain
line for controlling the rate of draining of said feather
actuator and therefore, the rate of operation thereof;
and

a pitch rate control valve operated by said feather actua-
tor and in fluid communication with one of said flow
controllers for selectively blocking flow therethrough in
response to operation of said feather actuator for carry-
ing out said blade featherin at a diminished rate.

Compl. Specn. 18 pages.

Drg. 1 sheet.

CLASS : 127-F.

158793

Int. Cl. : B 60 k 19/00.

GEAR TRAINS.

Applicants & Inventors : (1) CLAUDE PETER WIND-
SOR-SMITH OF 11 THE DRIVE, WOODHOUSE EAVES,
LEICESTERSHIRE, UNITED KINGDOM (2) RAY-
MOND ALFRED TILBY OF 40 MOAT ROAD, LOUGH-
BOROUGH, LEICESTERSHIRE, UNITED KINGDOM.

Application No. : 707/Cal/83 filed June 3, 1983.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A constant mesh change speed gear train comprising :

an input shaft having an input shaft gear;

an output shaft having an output shaft gear;

at least one primary layshaft having its own layshaft
change speed input gear in direct constant mesh with said
input shaft gear and its own layshaft change-speed output
gear in direct constant mesh with the output shaft gear;
and

clutch means at one end of said primary layshaft and
operable to establish and interrupt the transmission of
drive between the layshaft input and output gears;

characterised by a range layshaft having its own lay-
shaft input and output gears and clutch means operable
to establish and interrupt the transmission of drive
between the range layshaft input and output gears;

the range layshaft gears being arranged in direct constant
mesh with first and second range gears one of which
drivably coupled to said input shaft gear or to said output
shaft gear; and

range clutch means to establish and interrupt the trans-
mission of drive between said first and second range gears,
whereby a forward drive transmission ratio provided by the
gear train may be changed by transmitting drive either
through the range clutch means or via the range layshaft.

Compl Specn. 22 pages.

Drg. 6 sheets.

CLASS : 67-C.

158794

Int. Cl. H 01 p 3/00.

OPTICAL TRANSMISSION.

Applicant : BRITISH TELECOMMUNICATIONS, OF
2-12 GRESHAM STREET, LONDON EC2V 7AG,
ENGLAND.

Inventor : I. DAVID COTTER.

Application No. 710/Cal/83 filed June 4, 1983.

Convention dated 4th June, 1982 (8216307) U. K.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A transmission system comprising one or more narrow
linewidth light sources (1) and an optical fibre (4), said
source or sources (1) being adapted to launch into the fibre
(4) a high-power optical wave the phase angle of which
varies with time in such a manner that stimulated Brillouin
scattering is substantially suppressed.

Compl. Specn. 31 pages.

Drg. 3 sheets.

CLASS : 104-O & 32-F.

158795

Int. Cl. C 08 f 19/00.

A METHOD FOR PREPARING A RUBBER-REINFORCED POLYMER.

Applicant : THE DOW CHEMICAL COMPANY,
COUNTRY OF MIDLAND, STATE OF MICHIGAN,
UNITED STATES OF AMERICA.

Inventors : 1 JULIEN HELENE JOSEPH MARIE
DAMEN.

Application No. 711/Cal/83 filed June 4, 1983.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A method for preparing a rubber-reinforced polymer of
one or more monovinylidene aromatic compounds having
rubber of two different particle sizes dispersed through
the aromatic polymer matrix, the method comprising the
steps of mass polymerizing a first mixture comprising
a solution of one or more polymerizable monovinylidene
aromatic compounds and a rubber in the presence of an
initiator which promotes polymer grafting to the rubber
and at conditions sufficient to form a continuous phase
containing polymer of monovinylidene aromatic compound
and discrete particles of highly grafted rubber particles
having a volume average diameter from 0.5 to 1.5 micro-
meter; subsequently admixing a second rubber-containing
mixture, which rubber can be the same as or different
from the rubber of the first mixture with the polymerization

mixture at conditions such that the previously formed rubber particles remain dispersed throughout the continuous polymer phase and wherein the newly added rubber comprises from 5 to 30 weight percent of the rubber of the first and second rubber-monomer solutions and is dispersed as discrete particles having a volume average diameter from 4 to 10 micrometer; completing the polymerization and subjecting the polymerization mixture to conditions sufficient to remove the unreacted monomers and to cross-link the rubber.

Compl. Specn. 36 pages.

Drg. Nil.

CLASS : 195-B, D & 102-C, D.

158796

Int. Cl. : F 15 b 15/00.

VALVE ACTUATORS.

Applicant : ROTORK CONTROLS LIMITED, OF ROTORK HOUSE, BRASSMILL LANE, BATH BAL 3JQ, ENGLAND.

Inventor : 1. JEREMY J. FRY.

Application No. 727/Cal/83 filed June 8, 1983.

Convention dated 12th June, 1982 (82 17118) U. K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A valve actuator comprising only two housings, namely (a) a first housing defining a single enclosure for (1) a reversible electric motor, (2) electrical control gear associated with the motor and (3) torque control means and travel limit switch mechanism and (b) a second housing comprising a gear box containing reduction gearing.

Compl. Specn. 11 pages.

Drg. 4 sheets

CLASS : 66-D₇ & 194-B.

158797

Int. Cl. : G 01 j 3/00.

GLOW DISCHARGE LAMP FOR SPECTRUM ANALYSIS INVESTIGATIONS.

Applicant & Inventor : DR. ING. HERMANN RITZU OF HAUPTSTRASSE 60 8031 SEEFELD 2, FEDERAL REPUBLIC OF GERMANY.

Application No. 777/Cal/83 filed June 21, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A glow discharge lamp for spectrum analysis investigations, comprising an anode or main chamber which is connected to a carrier gas source and to a first vacuum pump, and which communicates by way of a throttle means with a cathode chamber which is connected to a second vacuum pump producing a higher degree of vacuum, wherein control means are provided to control the pressure at which the carrier gas is supplied to the main chamber:

Compl. Specn. 5 pages.

Drg. 1 sheet.

CLASS :

158798

Int. Cl. : 53 C, 134B.

Int. Cl. : B 60 k—17 00, B 62 M—11/00; 17/00.

A POSITIVE SHAFT DRIVE SYSTEM FOR PEDAL OPERATED OR MOTORISED BYCYCLES, CYCLE RIKSHAS AND TRICYCLES FOR HANDICAPPED.

Applicants : BHARAT GEARS LIMITED, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT : HOECHST HOUSE, 14TH FLOOR, NARIMAN POINT, BOMBAY-400 021, MAHARASHTRA, INDIA.

Inventor : BALASUBRAMANIAN SHANKAR.

Application No. 12/Bom/1984, filed on 16th January, 1984. Complete after provisional left on 13th February, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

4 Claims

A positive shaft drive system for pedal operated or motorised cycle, cycle rikshas, tricycles for handicapped comprising in combination :—

- (i) two gear boxes having known means for fitting each of them at the crank end and rear axle end of cycle frame, and connected to each other by a pipe casing having inside a shaft mounted on bearings within respective gear boxes;
- (ii) one of said gear box is having a crank shaft fitted with a bevel gear, said bevel gear is in mesh with pinion (bevel gear) fitted to one end of said shaft passing through said pipe casing connecting said two gear boxes;
- (iii) the other of said gear box having a mitre gear fitted to free or fixed wheel assembly fitted to rear axle and said mitre gear is in mesh with another mitre gear (bevel gear) fitted to the other end of said shaft passing through said pipe casing;

the arrangement being such that when said bevel gear on crank shaft is driven by manual pedalling or by a prime mover, the direct positive shaft drive is obtained to propel said cycle vehicle.

Provisional Specification 5 Pages.

Drg. 1 Sheet.

Compl. Specn. 7 pages.

Drg. nil.

Int. Cl. 98B + 104D.

158799

Int. Cl. Bolj 3/00, B29 h — 19/00.

AN IMPROVED AUTOCLAVE FOR RECLAIMING RUBBER.

Applicant & Inventor : PRADIP WAMAN DESAI, LAXMI VISHNU SADAN, MAHARSHI KARVE ROAD, NAUPADA, TITANE-400 602, MAHARASHTRA, INDIA.

Application No. 38/BOM/1984 filed on February 13, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

An improved autoclave for reclaiming rubber comprising a horizontal stationary vessel having an inlet opening at the top for water and raw materials, a lid for closing the said opening at the top and another opening at the bottom for removing the contents and closed by a plug type gate, which could be opened by manual or mechanical means or by suitable hydraulically operated means, the said vessel is provided with helically twisted blades as stirrers mounted on a horizontal shaft, passing along the longitudinal axis of the said vessel, the said shaft being driven by driving mechanism connected to a prime mover, characterised in that the said vessel is surrounded by a tubular jacket or the said vessel is double walled structure for circulation of hot oil heated outside the autoclave in the known manner to impart heat to the autoclave or as a variation the outer surface of the said autoclave is heated by electrical coils and further the outside of the entire autoclave is covered with heat insulating materials to conserve the heat energy.

Compl. Specn. 11 Pages.

Drg. 1 sheet.

Ind. Cl. : 147 C.

158800

Int. Cl. : G 11 b 5 00, 21/00.

Title : A MULTIPLE PROGRAMME RECORD/PLAY SYSTEM FOR A TAPE RECORDER.

Applicants & Inventors : MRS. MANGALA MADHUKAR CHAUDHARI AND MR. MADHUKAR GANGARAM CHUDHARI, 11, SHRI KALIKA HOUSING SOCIETY, OLD BOMBAY AGRA ROAD, NEAR V.T.P. HOTEL, NASHIK-422 002, MAHARASHTRA, INDIA. BOTH INDIAN NATIONALS.

Application No. 40/BOM/1984 Filed on 15th February, 1984. Complete after Provisional left on 15th May, 1985.

4 Claims

A multiple programme record/play system comprising in combination a transmitter unit, a receiver unit and recording and tape transport mechanism; said transmitter unit having channel processor and summer amplifier wherein the former receiving a plurality of input signals from a plurality of programme sources and providing spacing of each programme signal in the pre-determined allotted frequency slot, the said processed output being linearly summed up by the summer amplifier, said summed and processed output fed to the recording and tape transport mechanism which consist of a rotating head drum assembly having a plurality of heads and signal collecting means provided adjacent to the said assembly and the signal thus collected is then fed to a receiver unit which consists of a R. F. filter, a mixer oscillator, a channel programme selector switch for selecting a particular programme signal and a processor cum amplifier for processing after filtration and demodulating the particular programme signal selected and output-means through which the programme is heard or seen.

Compl. Specn. 8 pages.

Drgs. NIL.

Provisional Specn. 6 pages.

Drg. 3 sheets.

Ind. Cl. : 80 K.

158801

Int. Cl. : Bold 25/00, 37/02.

Title : A PROCESS FOR REMOVING SOLIDS FROM A LIQUID WITHOUT LOSS OF HEEL PORTION AND AN APPARATUS THEREFOR.

Applicant : CROLL-REYNOLDS ENGINEERING CO., INC. (A CORPORATION UNDER THE UNITED STATES LAW) AT 2400 RESERVOIR AVENUE, CONNECTICUT 06611, UNITED STATES OF AMERICA.

Inventors : FRANCIS THOMAS SIM (2) LOUIS DANTE ANCILLAI (3) CARSON LEIKAM.

Application No. 230 BOM/84. Filed on August 21, 1984.

Appropriate office for opposition proceedings (Rule 4, of Patents Rule, 1972) Patent Office Branch, Bombay-13.

5 Claims

A process for removing suspended solids from a liquid without loss of heel portion comprising circulating a suspension of a precoat filter aid through a closed chamber provided with at least one vertical tubular, liquid pervious filter aid retainer supported on a tube sheet with the lower pervious section level with said tube sheet until a filter cake is formed on said retainer, pumping a liquid with suspended solids through the chamber whereby clear liquid passes through said filter cake into said retainer where clear liquid is recovered and suspended solids are deposited or filter cake, continuing pumping liquid with suspended solids until a maximum differential pressure is reached, reducing the pumping rate of liquid while simultaneously increasing air pressure to a maximum of 15 psig in the chamber, draining liquid from the chamber through the filter cake and retainer

while maintaining air pressure of 2 to 15 psig to recover the heel portion, abruptly back washing liquid through the retainer and filter cake whereby the filter cake is destroyed and draining the mixture of filter cake and back wash liquid from the chamber.

Compl. Specn. 10 pages.

Drg. 1 sheet.

Ind. Cl. : 150 C.

158802

Int. Cl. : F₁₆ 1 21/02.

Title : A PUSH FITTING DEVICE FOR FLEXIBLE TUBES IN PNEUMATIC AND HYDRAULIC LINES.

Applicants : IAY MACHINERY MANUFACTURING COMPANY PRIVATE LIMITED, A-52, NAND JYOT INDUSTRIAL ESTATE, KURLA ANDHERI ROAD, EAST, BOMBAY-400 072, MAHARASHTRA, INDIA.

Inventors : 1. MR. ANIL RAMAKANT JUWARKAR, 2. MR. SANJAY JAYANT KULKARNI.

Application No. 263 BOM/1984 filed on 22nd September, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

5 Claims

A push fitting device for flexible tubes in pneumatic and hydraulic lines comprising an outer member, a bush, an 'O' ring and a collet wherein :

The outer member is a tubular member whose bore is stepped down at its discharge end to form a wall which acts as a stop and also a housing for the parts inside the bore,

the bush is made of a wear resistance material and is tight fitted inside the bore of the outer member leaving a gap between the inside wall of the outer member and the inner face of the bush, the bore of the bush at the end being tapered outward,

the 'O' ring is made of a flexible material like rubber to act as a sealing means and is housed inside the said gap,

the collet is a partially slotted tubular body and is press fitted inside the bush.

Compl. Specn. 8 pages.

Drg. 2 sheets.

CLASS : 70 B.

158803

Int. Cl. : G 01 n 27/30.

Title : AN IMPROVED DIMENSIONALLY STABLE METAL ELECTRODE FOR USE AS ANODE IN CHLOR-ALKALI MERCURY ELECTROLYTIC CELL.

Applicant & Inventor : MADHU JIVANLAL SARAIYA, CHEMAPOL INDUSTRIES, 55 ALLI CHAMBERS, TAMARIND LANE, BOMBAY-400 023.

Application No. 280 Bom/1984, Filed on October 11, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

3 Claims

An improved dimensionally stable metal electrode for use as anode in a chlor-alkali mercury electrolytic cell, said electrode comprising conductors arranged in three planes one above another namely, a first or upper plane a second or intermediate plane and a third or lower plane such that the conductors in two adjacent are mutually perpendicular, the number and dimensions of the conductors, the spacing between the conductors and the dimensional relationship between the conductors being selected on considerations

such as electrical load to be share by the conductors, short circuiting risks, gas kinetics, mass transfer kinetics or stability, rigidity and weight of said electrode, said conductors being arranged such that said electrode has excellent or perfect planarity and being rigidly interconnected in known manner such as resistance projection welding on considerations such as ease of manufacture, repair, reactivation or stability, rigidity and durability of said electrode, the conductors in the first or upper plane and second or intermediate plane being formed of flat or rectangular profiled members or sections, the conductors in the first or upper plane being provided with a plurality of terminal pins or rods made of known good electrical conductor, metal such as copper, said terminal pins or rods being provided with protective sleeves or tubes and current connectors where through said terminal pins or rods are connectable to a power supply, said conductors and protective sleeves or tubes being made partly or entirely with known valve metal such as titanium niobium, tantalum or tungsten or alloys thereof which are stable under the operating conditions in the said cell, or provided partly or entirely with coating such as that of the oxides of said valve metals in known manner such as electrode position or thermal decomposition characterised in that the conductors in the third or lower plane are made of semi-elliptical or semi-circular profiled members or sections, the convex surface of said semi-elliptical or semi-circular profiled members or sections being directed downwards.

Compl. Specn. 8 pages.

Drgs. 3 sheets.

Ind. Cl. : 92 E.

158804

Int. Cl. : B02 C, 7/18, 9/00.

Title : AN IMPROVED ELECTRIC DOMESTIC FLOUR MILL.

Applicant & Inventor : RAVJIBHAI MADHABAI SAVALLA, AN INDIAN NATIONAL, C/O. SAVALLA MACHINE TOOLS PVT. LTD., INDULAL YAGNIK ROAD, OPP. LAST BAPUNAGAR BUS STAND, AHMEDABAD-380 024, GUJARAT, INDIA.

Application No. 295/BOM-1984 Filed on 25th October, 1984.

Complete after provisional left April 24, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

9 Claims

An Electric Domestic Flour Mill comprising a milling chamber mounted above a central chamber housing a motor unit and an air blower unit the said milling chamber and central chamber together mounted on a bottom chamber, a common central shaft rotating freely at the middle of all the above said chambers; a hopper snugly fitted into the central top opening of the said milling chamber and said milling chamber being provided with cooling fins on the outer surface for dissipating the heat by radiation and a fixed grinding stone fixed internally to the detachable top cover, a rotating grinding stone detachably fitted on the said common central shaft with the help of a splined nut and being housed within the bottom cover, the said bottom cover, having a plurality of air blow holes around a grooved central hole and a tangential outlet at one end, the said rotating grinding stone having a plurality of radial ribs and projections at its bottom side and periphery respectively, functioning as sweep strips to sweep out the flour to the said tangential outlet, characterised in that the bottom end of the said central shaft has a hemispherical cup housing a steel ball to freely rotate as a carbide tip functioning as a thrust bearing for the said shaft, the said bottom chamber having a centrally pivoted lever whose one end is connected to a partially and variably rotatable control knob such that the rotation of the said control knob lifts or lowers the other end of the said pivoted lever, which has the said carbide tip and over which the said steel ball is rotating, the said lifting or lowering of this carbide tip mounted end of the lever, in turn proportionately raises or lowers the said central shaft alongwith the rotor and air blower unit accordingly to have the desired gap set between the said two grinding stones.

Compl. Specn. 10 Pages.

Drg. 1 Sheet.

Ind. Cl. : 32F 3d, 55F.

158805

Int. Cl. : C 12 d 9/16.

Title : A PROCESS FOR THE PRODUCTION OF A NOVEL ANSAMYCIN ANTIBIOTIC CALLED NAPHTHOMYCIN H FROM A MICROORGANISM CALLED STREPTOMYCES Y-8340369. (CULTURE NUMBER-11 PLY-8340369).

Applicant : HOECHST INDIA LIMITED, OF HOECHST HOUSE, NARIMAN POINT, 193, BACKBAY RECLAMATION, BOMBAY-400 021, MAHARASHTRA, INDIA.

Inventor : CHRISTOPHER MILTON MATHEW FRANCO, GOUKANAPALLI CHANDRA SEKHARA REDDY, TRIPTIKUMAR MUKHOPADHYAY, BIMAL NARESH GANGULI.

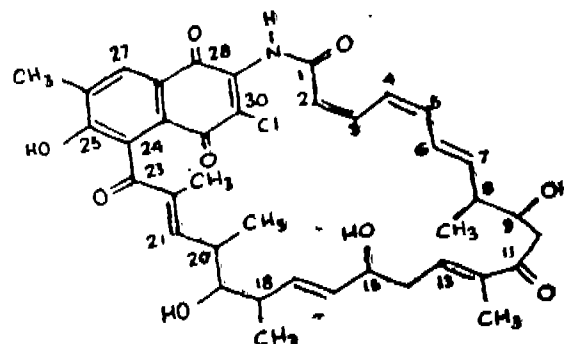
Application No. 325/BOM/84 Filed November 19, 1984.

Comp. after Prov. left on DEC. 18, 1985.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Bombay-13.

7 Claims

A process for the production of a novel ansamycin antibiotic called Naphthomycin H of the formula shown in Fig. 1 of the drawings accompanying the provisional specification from a novel microorganism called Streptomyces Y-8340369, said process comprising cultivating Streptomyces Y-8340369 by fermentation under aerobic conditions in a nutrient medium containing sources of carbon and nitrogen such as herein described, nutrient inorganic salts such as herein described and trace elements such as herein described and at a temperature between 24°C to 40°C and a pH between 6.0 to 8.0 and isolating and purifying the said antibiotic from the culture broth in a known manner such as herein described.



Prov. Specn. 19 pages.

Drgs. 2 sheets.

Compl. Specn. 23 pages.

Drg. Nil.

Incl. Cl. : 92 C.

158806

Int. Cl. : B03b 3/04.

Title : AN IMPROVED ROLL TYPE HULLER.

Applicant : MRS. NEELA VINAYAK RASHINKAR, 498, SHANWAR PETH, PUNE-411 030, MAHARASHTRA, INDIA.

Application No. 362/BOM/1984, filed on 29th December, 1984.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Bombay-13.

1 Claim

RENEWAL FEES PAID

An improved roll type huller comprising a huller chamber and gear box with driver and driven gears, a pair of rolls spaced apart in parallel within huller chamber, a main shaft carrying one of the rolls and supported at its both ends by huller chamber rotatably about a fixed axis with its frontwardly extended end coupled to the shaft of said driver gear, counter shaft carrying the other roll and supported at its both ends within bearing blocks slidably fitted in the slots provided in said huller chamber, means operatively connected to said bearing blocks for controllably moving said bearing blocks in said slots along with roll fixed on countershaft toward said stationary roll, frontwardly extended end of said counted shaft coupled to the shaft of driven gear by means of a telescopic universal joint, characterised in that when the counter shaft moves toward and away from main shaft while parallel therewith, the length of the said telescopic joint respectively decreases/increases and gets adjusted to transmit the motion from driven gear to said counter shaft.

Compl. Specn. 6 pages.

Drgs. 2 sheets.

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered into by M/s. Honda Giken Kogyo Kabushiki Kaisha, Japan, to the grant of a patent on application for patent No. 157827 made by M/s. Bajaj Auto Limited, Pune.

(2)

An opposition has been entered into by M/s. Piaggio & C. SPA., Italy to the grant of a patent on application for patent No. 157827 made by M/s. Bajaj Auto Limited, Pune.

(3)

An opposition has been entered into by M/s. Honda Giken Kogyo Kabushiki Kaisha, Japan, to the grant of a patent on application for patent No. 157828 made by M/s. Bajaj Auto Limited, Pune.

CORRECTION OF CLERICAL ERRORS UNDER SECTION 78(3)

The description of the completed specification and corresponding claims in respect of Patent application No. 155041 (earlier number 104/BOM/81) the acceptance of which was notified in Part III, Sec. 2 of the Gazette of India dated the 22nd December, 1984 has been corrected.

PATENTS SEALED

156442 156443 156453 156501 156525 156561 156598 156676
156788 156800 156807 156810 156865 156868 156870 156871
156872 156874 156877 156878 156892 156898 156899 156900
156902 156904 156905 156906 156908 156910 156911 156919
156921 156927 156928 156931 156932 156934 156984 156993
156994 157048 157225

138195 140521 140615 140710 141906 142537 142860 142877
143018 143020 143457 143550 143719 144375 144376 144632
145392 145687 145834 145866 145955 146088 146124 146204
146265 146377 146747 146770 146878 147600 147744 147966
148043 148096 148451 148672 148675 148811 148898 149523
149569 150127 150295 150303 150606 150732 150788 150802
150804 150873 150875 150947 151181 151376 151506 151549
151681 151863 152064 152366 152575 152926 153126 153127
153129 153212 153279 153315 154105 154181 154419 154487
154585 154703 154771 154774 154782 154859 155245 155496
155505 155724 155758 155762 155766 155934 155942 155986
156173 156175 156177 156178 156180 156191 156192 156195
156223 156224 156226 156229 156242 156244 156260 156299
156338 156339 156340 156348 156363 156364 156389 156390
156570 156572 156573 156575 156588 156591 156703 156704
156752 156803 156804 156831 157103.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

Class 3. No. 157532. The Decorative Laminates (India) Pvt. Ltd., Indian Company, Yelwal Road, Belvadi Post, Mysore 571186, Karnataka, India. "Non-Slip Marine Grade Plywood". October 9, 1986.

Class 3. No. 157557. Krishna Luggage Industries Pvt. Ltd., 51, Basant Apartment, Cuffe Prade, Colaba, Bombay-400 005, Maharashtra, India, a private Limited Co. "Bag". October 14, 1986.

Class 3. No. 157558. Wimco Pen Company, 11, Mehta Industrial Estate, 1st floor, I. B. Patel Road, Goregaon (East), Bombay-400 063, Maharashtra, India, Indian Partnership Firm. "Water Container". October 14, 1986.

Class 3. No. 157442. Peico Electronics and Electricals Ltd., Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-18 (WB), Maharashtra, India, Indian Company. "Stereo Amplifier". September 11, 1986.

Class 3. No. 157443. Peico Electronics and Electricals Ltd., Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-18 (WB), Maharashtra, India, Indian Company. "Stereo Radio Recorder". September 11, 1986.

Class 10. Nos. 157363 & 157365. Smt. Indu Bahia, Indian, Life Shoes. 10, Ashok Nagar, Agra, (UP), India. "Shoes". 22nd August, 1986.

R. A. ACHARYA
Controller General of Patents,
Designs and Trade Marks.

